# Rec'd PCT/PTO 15 067 2008

## 10/553320

#### PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY				· 2/10.		
Го:					PCT	Anslation
*					RITTEN OPINION O IONAL SEARCHING	FTHE
					(PCT Rule 43bis.1)	
				Date of mailing (day/month/year)		
Applicant's or	agent's file reference	e		FOR FURTHER ACTION		
09635				See paragraph 2 below		
International a	pplication No.		International filing date	(day/month/year) Priority date (day/month/year)		
PCT/JP	2004/0054	456	16.04.2004		18.04.2003	
	atent Classification	(IPC) or both	n national classification an	u irC		
Applicant SENJU	PHARMACE	UTICAL	CO. LTD.			
1. This	opinion contains in	dications rela	ting to the following item:	S		
	Box No. I	Basis of the	opinion			
ᅵ	Βοχ Νο. Π	Priority				
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						plicability
· 🗀	Box No. 1V	Lack of uni	ty of invention			
				13bis.1(a)(i) with regard to novelty, inventive step or industrial nations supporting such statement		
	Box No. VI	Certain doc	uments cited			
	Box No. VII	Certain defe	ects in the international ap	plication		
	Box No. VIII	Certain obs	ervations on the internatio	nal application		
	THER ACTION					
Inter than	national Preliminat this one to be the	y Examining IPEA and the	minary examination is m Authority ("IPEA") except chosen IPEA has notified y will not be so considered	ot that this does not app I the International Bur	ply where the applicant c	hooses an Authority other
writt PCT	en reply together, /ISA/220 or before	where appro	, considered to be a writte priate, with amendments, n of 22 months from the pr	before the expiration	of 3 months from the	d to submit to the IPEA a date of mailing of Form
For f	further options, see	Form PCT/IS	A/220.			
3. For f	further details, see i	notes to Form	PCT/ISA/220.			
Name and mai	ling address of the	ISA/JP		Authorized officer		
				Telephone No.		

International application No.
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Box	x No. I Basis of this opinion
1.	With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
	This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under
	Rule 12.3 and 23.1(b)).
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
	a. type of material
	a sequence listing
	table(s) related to the sequence listing
	b. format of material
	in written format
	in computer readable form
	c. time of filing/furnishing
	contained in the international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Additional comments:
1	•
1	· · · · · · · · · · · · · · · · · · ·

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Box No. II	I Non-establishment of opinion	ith regard to novelty, inventive step and industrial applicability						
The questi	ons whether the claimed invention appe	ars to be novel, to involve an inventive step (to be non obvious), or to be industrially						
applicable have not been examined in respect of:								
Ш	the entire international application							
$\bowtie$	claims Nos. 13-16							
becaus	e:							
$\boxtimes$	the said international application, or the said claims Nos. 13-16 relate to the following subject matter which does not require an international preliminary examination (specify):							
	The subject matter of claim by therapy.	s 13-16 relates to a method for treatment of the human body						
	the description, claims or drawings (indiare so unclear that no meaningful opinion	ate particular elements below) or said claims Nos.  could be formed (specify):						
	the claims, or said claims Nos.  by the description that no meaningful op	nion could be formed.						
$\boxtimes$	no international search report has been e	tablished for said claims Nos. 13-16						
	the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:							
	the written form	has not been furnished						
	[	does not comply with the standard						
	the computer readable form	has not been furnished						
		does not comply with the standard						
	the tables related to the nucleotide and/ technical requirements provided for in A	r amino acid sequence listing, if in computer readable form only, do not comply with the mex $C$ -bis of the Administrative Instructions.						
	See Supplemental Box for further details							

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Box	No. V Reasoned	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; Hations and explanations supporting such statement				
l.	Statement					
	Novelty (N)	Claims	1-12	YES		
		Claims	·	NO		
	Inventive step (IS)	Claims		YES		
		Claims	1-12	NO		
	Industrial applicabi	lity (IA) Claims	1-12	YES		
		Claims		NO		
l						

Citations and explanations:

#### Claims 1-12

Document 1: M. NEGISHI et al., Seikagaku, 2002; 74 (5), 395-8, [Japanese]

Document 2: M. NIKOLIC, Int. J. Biochem Cell Biol, 2002, 34(7): 731-45

Document 3: M. LEHMANN et al., J. Neurosci., 1999, 19(17), 7537-47

Document 4: P. DERGHAM et al., J Neurosci, 2002, 22(15), 6570-7

Document 5: US 2002/0119140 A1

Document 6: WO 02/083175 A1 & EP 1378247 A1

Document 7: WO 01/068607 A1 & EP 1270570 A1

Document 8: JP 2003-073357 A

As described in documents 1-8, the fact that the formation and expansion of neurite outgrowth is facilitated by inhibition of Rho is confirmed in a plural type of neurons. As a result, studying the effect for corneal nerves using a Rho inhibitor can be easily carried out by a person skilled in the art based on the knowledge obtained from these documents. Making use of the effect that the corneal nerves have on a variety of different diseases could easily be foreseen by a person skilled in the art.

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Box No. VIII

Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

The subject matter of claims 1-12 relates to an agent for promoting corneal neural outgrowth formation, an agent for promoting extension of corneal neural axons, an agent for repairing corneal perception and a dry eye therapeutic agent whose active ingredient is a compound defined by the desired characteristics as a "Rho protein inhibitor." The subject matter of claims 1-12 encompasses all compounds which have these properties. However, what is disclosed in the sense of PCT Article 5 is merely an extremely small part of the compound claimed and is not fully supported by the disclosure of the specification in the sense of PCT Article 6.

Furthermore, even after taking into consideration the common general technical knowledge at the time of filing, the "Rho protein inhibitor" cannot specify the scope of the compounds which have these properties; therefore, claims 1-12 lack the requisite clarity of PCT Article 6.